

Agilent Ref: 10004190-1  
United States Application Serial No. 09/846,058

### AMENDMENTS TO THE CLAIMS

Please amend claims 37 and 38, as shown below and cancel claims 1-9, 30, 32-34, 36 and 46. A complete listing of the claims, including their current status, is provided below.

1-27. (Cancelled)

28. (Previously presented) A method of fabricating an array of multiple features of different chemical moieties on a surface of a substrate, comprising:

(a) comparing height uniformity of a first direction and a second direction across a substrate to identify a first direction having higher height uniformity than a second direction, wherein said first and second directions are planar to said substrate; and

(b) employing a pulse jet printer to deposit different chemical moieties in rows on the substrate, wherein said rows each contain a plurality of different chemical moieties and wherein said rows are more closely aligned with the first direction than the second direction,

in order to fabricate an array of multiple features of different chemical moieties on a substrate surface.

29. (Previously presented) A method of fabricating an array of multiple features of different chemical moieties on a substrate surface, comprising:

(a) receiving the substrate from a remote location;

(b) receiving from a remote location an identification that indicates the direction in which the substrate was drawn; and

(c) placing the different chemical moieties on the substrate so as to provide features thereon along rows aligned with said direction,

in order to fabricate an array of multiple features of different chemical moieties on a substrate surface.

30. (Cancelled)

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31. (Previously presented) The method according to claim 29, wherein the rows are parallel to the direction in which the substrate was drawn.

32-34. (Cancelled)

35. (Previously presented) A method of claim 29, wherein said identification comprises reference to a shape characteristic of the substrate or housing thereof.

36. (Cancelled)

37. (Currently amended) ~~The method of claim 36, wherein said identification is communicated~~

A method of fabricating an array of multiple features of different chemical moieties on a substrate surface, comprising:

(a) receiving the substrate from a remote location;

(b) receiving from a remote location, an identification of a first direction across the substrate surface along which the substrate surface has a higher height uniformity than along a second direction across the substrate, wherein said first and second directions are planar to said substrate;

(c) placing the different chemical moieties in rows on the substrate, wherein said rows each contain a plurality of different chemical moieties and wherein said rows are more closely aligned with the first direction than the second direction, in order to fabricate an array of multiple features of different chemical moieties on a substrate surface;

wherein said identification is communicated from said remote location  
via electronic media.

38. (Currently amended) ~~The method of claim 4,~~

A method of fabricating an array of multiple features of different chemical moieties on a substrate surface, comprising:

(a) receiving the substrate from a remote location;

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**(b) receiving from a remote location, an identification of a first direction across the substrate surface along which the substrate surface has a higher height uniformity than along a second direction across the substrate, wherein said first and second directions are planar to said substrate;**

**(c) placing the different chemical moieties in rows on the substrate, wherein said rows each contain a plurality of different chemical moieties and wherein said rows are more closely aligned with the first direction than the second direction, in order to fabricate an array of multiple features of different chemical moieties on a substrate surface;**

wherein said identification is communicated from a computer memory, in response to providing an identifier of the substrate.

39. (Previously presented) The method of claim 29, wherein said identification is associated with the substrate or packaging thereof.

40. (Previously presented) The method of claim 29, wherein said identification references a shape characteristic of the substrate or housing thereof.

41. (Previously presented) The method of claim 29, wherein said identification is associated with the substrate via an identifier on said substrate, or housing thereof.

42. (Previously presented) The method of claim 29, wherein said identification is communicated from said remote location.

43. (Previously presented) The method of claim 42, wherein said identification is communicated via electronic media.

44. (Previously presented) The method of claim 42, wherein said identification is communicated from a computer memory, in response to providing an identifier of the substrate.

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45. (Previously presented) A method of fabricating an array of multiple features of different chemical moieties on a surface of a substrate, comprising:

(a) comparing height uniformity of a first direction and a second direction across a substrate to identify a first direction having higher height uniformity than a second direction, wherein said first and second directions are planar to said substrate; and

(b) placing the different chemical moieties in a row on the substrate so as to provide a row of different chemical moieties that is more closely aligned with the first direction than the second direction,

in order to fabricate an array of multiple features of different chemical moieties on a substrate surface.

46. (Cancelled)